07/03/2006 10567178 - GAV 4081

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/567,178

Applicant (s) : Erlind M. Thorsteinson, et al.

Filed : February 3, 2006 TC/A.U. : Unknown

Examiner : Unknown

Title : IMPROVED ALUMINA CARRIERS AND SLIVER-BASED

CATALYSTS FOR THE PRODUCTION OF ALKYLENE OXIDES

Docket No. : 62562A

Customer No. : 00109

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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the Examiner's attention is directed to the information identified in the attached Form PTO/SB/08a.

The cited U.S. patents and patent application publications are listed on Form PTO/SB/08a. A copy of the cited foreign patent documents and non-patent literature are enclosed herewith. The Examiner is requested to review each reference and formulate his/her own understanding thereof.

Respectfully submitted,

Lois K. Ruszala

Registration No. 39,074

Phone: 989-636-1556

P. O. Box 1967 Midland, MI 48641-1967

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Sheet 1

STATEMENT BY APPLICANT (Use as many sheets as necessary) of 3

Complete if Known Application 1 10/567,178 Filing Date February 3, 2006 Erlind M. Thorsteinson, et al. First Named Inventor Art Unit Not Assigned Not Assigned **Examiner Name** Attorney Docket Number 62562A

Examiner Initials*	Cite No.1	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
IIIIIIIII	No.	Number-Kind Code ² (Fknown)	(WINPED-1111)	Cited Document	rassages of nelevant rigules Appeal
/J.M.	/	US-RE20,370	05-18-1937	Lefort	
-		US-2,040,782	05-12-1936	van Peski	
-		US-2,279,469	04-14-1942	Law, et al.	
		US-2,279,470	04-14-1942	Law, et al.	
		US-2,294,383	09-01-1942	Carter	
		US-3,172,893	03-09-1965	Ameen	
		US-3,332,887	07-25-1967	Endler	
		US-3,423,328	01-21-1969	Keith, et al.	
		US-3,563,914	02-16-1971	Wattimena	
		US-4,272,443	06-09-1981	Titzenthaler, et al.	
		US-4,428,863	01-31-1984	William E. Fry	
		US-4,575,494	03-11-1986	Young, Jr., et al.	
\neg		US-4,645,754	02-24-1987	Tamura, et al.	
\neg		US-4,769,358	09-06-1988	Kishimoto, et al.	
		US-4,845,253	07-04-1989	Bowman	
		US-5,077,256	12-31-1991	Yamamoto, et al.	
		US-5,100,859	03-31-1992	Gerdes, et al.	
		US-5,395,812	03-07-1995	Nagase, et al.	
		US-6,281,370	08-28-2001	Shima, et al.	
		US-6,313,325	11-06-2001	Shima, et al.	
7/7		US-6,579,825	06-17-2003	Lockemeyer	
-V-		US-2003/00092922 A1	05-15-2003	Shima, et al.	
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/J.M./

/Joseph Micali/

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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Application Number | 10/567,178
Filing Date | February 3, 2006
Filing M Thorsteinson, et al.
Art Unit | Not Assigned |
Examiner Name | Not Assigned |

Attorney Docket Number

Sheet 2

of 3

Examiner	Cite	Document Number	Publication	NT DOCUMENTS Name of Patentee or Applicant	Pages, Columns, Lines, Where	Τre
Initials*	No.1	Country Code ³ – Number-Kind Code ⁵ (If known) WO-97/46317	Date (MM-DD- YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	'
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Examiner Joseph Micali/ J.M./ Date 09/24/2008
Signature

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INFORMATION DISCLOSURE STATEMENT	Application Number	10/567,178	
	Filing Date	February 3, 2006	
BY APPLICANT	First Named Inventor	Erlind M. Thorsteinson, et al.	
(Use as many sheets as necessary)	Art Unit	Not Assigned	
	Examiner Name	Not Assigned	
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Sheet 3	62562A 3	Attomey Docket Number 62562A	
	NON	PATENT LITERATURE DOCUMENTS	
xaminer Cite Initials* No.1	Include name of the author (in CA	NPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т6
/J.M./	ethylene oxide prodn obtd. by impre	1993-021343, Japanese Patent 04346835, Nippon Shokubai Co. Ltd., "Silver catalyst for sgnating alumina support with aq. soln. contg. colloidal silica, then with caesium nitrate soln. um sulphate soln, etc", November 18, 1993.	F
/J.M/	Derwent Abstract Accession Number	1996-254208, Japanese Patent 08103655, Maruzen Petrochem Co. Ltd., "Crystalline poxidation of olefin - comprises spherical carriers coated with titanium silicalite layer", July 5,	F
/J.M./	catalyst for prodn. of ethylene oxide - chlorine-anions contg. cpd.*, October	1992-248428, Russian Patent 1685510, (Chlo-r) Chlorine Ind. Res. Des. Inst., "Prepn. of by treating inert support with amine complex of silver salt, mixt. of alkali metal salts and 6, 1993.	F
/J.M./	KIRK-OTHMER, "Ethylene Oxide", En	ncyclopedia of Chemical Technology, 1994, pages 915-959, 4 th Edition, Volume 9.	TE
/J.M./	PIROGOV, AA, AS Yutina and ZD Zhi Issled. Inst. Ogneuporov, 1967, pages	ukova; "Interaction of Corundum with Certain Types of Binders", Sb. Nauch. T., Ukr. Nauch. s 34-9, No. 10.	┢
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